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graph TD
    100[USER ON LINE] --> 102[GO TO SERVER WEB SITE]
    102 --> 104{FIRST TIME USER?}
    104 -- YES --> 106[SYSTEM ASSIGNS USER ID]
    106 --> 108[SYSTEM PROVIDES TEMPLATE FOR PERSONAL INFO]
    108 --> 110[USER ENTER PERSONAL INFO & PREFERENCE]
    110 --> A((A))
    104 -- NO --> 140[ENTER USER ID]
    140 --> 142{CHANGE INFO?}
    142 -- YES --> 108
    142 -- NO --> 144[SYSTEM DISPLAY PRODUCT CATEGORY]
    144 --> 146[USER SELECT CATEGORY TO PURCHASE]
    146 --> 148[SYSTEM DISPLAY PRODUCTS IN CATEGORY PER USER PREFERENCE]
    148 --> 202{END OF SELECTIONS?}
    202 -- YES --> F1((F))
    202 -- NO --> 204[SYSTEM PROVIDE CALENDAR]
    204 --> 206[USER MARK DAY TO DELIVER ON CALENDAR]
    206 --> 208[USER ORDER ON MARKED DAY]
    208 --> 210[USER UPDATE ROUTE]
    210 --> 212[USER UPDATE PICK UP TIME]
    212 --> 148
    104 -- NO --> 150[USER LOG ON TO ORDER MODE]
    150 --> 152{USER TO USE ASM TO ORDER?}
    152 -- YES --> C1((C))
    152 -- NO --> 153[CURRENT DAY DELIVERY?]
    153 -- YES --> 220[USER ORDER]
    220 --> 224[UPDATE ROUTE/PICKUP POINT]
    224 --> 226[UPDATE PICK UP TIME]
    226 --> 170{MAKE ANOTHER ORDER?}
    170 -- YES --> D1((D))
    170 -- NO --> 172[USER MAKE PAYMENT]
    172 --> 174{SYSTEM CHECK IF DELIVERY/ORDER DUE?}
    174 -- YES --> E1((E))
    174 -- NO --> 172
    153 -- NO --> 202
    C1 --> 154[ASM PROVIDE CALENDAR]
    154 --> 156[USER MARK ON CALENDAR DAYS TO DELIVER]
    156 --> 158[USER SELECT ROUTE/PICKUP POINT]
    158 --> 160[USER SELECT PICKUP TIME]
    160 --> 162[USER MODIFY PREFERENCE]
    162 --> 164[USER SET OCCURRENCE RATE FOR PRODUCTS ORDERED]
    164 --> 166[SYSTEM FILL CALENDAR WITH PRODUCTS PER USER PREFERENCE]
    166 --> 168{USER MAKE CHANGES?}
    168 -- YES --> 154
    168 -- NO --> F2((F))
  
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The flowchart illustrates a system for ordering products with delivery scheduling and payment processing. The process begins with a user logging on (100) and navigating to the server web site (102). A decision is made if it's the user's first time (104). If yes, the system assigns a user ID (106) and provides a template for personal information (108), which the user enters (110). If not a first-time user, the user enters their ID (140) and a decision is made if they want to change information (142). If yes, the system provides a template (108). If no, the system displays product categories (144), and the user selects a category to purchase (146). The system then displays products in the selected category (148). A decision is made if the user is ready to end selections (202). If yes, the process moves to a payment step (172). If no, the system provides a calendar (204), and the user marks a day to deliver (206) and orders on that day (208). The user can then update the route (210) and pickup time (212), which feeds back into the product display (148). Alternatively, the user can log on to order mode (150) and decide if they want to use the ASM to order (152). If yes, the ASM provides a calendar (154), and the user marks delivery days (156), selects a route/pickup point (158), and selects a pickup time (160). The user can then modify preferences (162) and set an occurrence rate (164), which the system uses to fill the calendar (166). The user can then make changes (168), which feeds back into the ASM calendar (154). If the user does not use the ASM, they proceed to the user order (220), update the route/pickup point (224), and update the pickup time (226). A decision is made if they want to make another order (170). If yes, the process loops back to the calendar selection (154). If no, the user makes a payment (172), and the system checks if the delivery/order is due (174). If yes, the process ends (E). If no, the user can make changes (168) or the process ends (F). The flowchart includes several decision points (104, 142, 152, 153, 202, 170, 174, 168) and loops (A, B, C, D, E, F) to handle various user interactions and system responses.

FIG 1

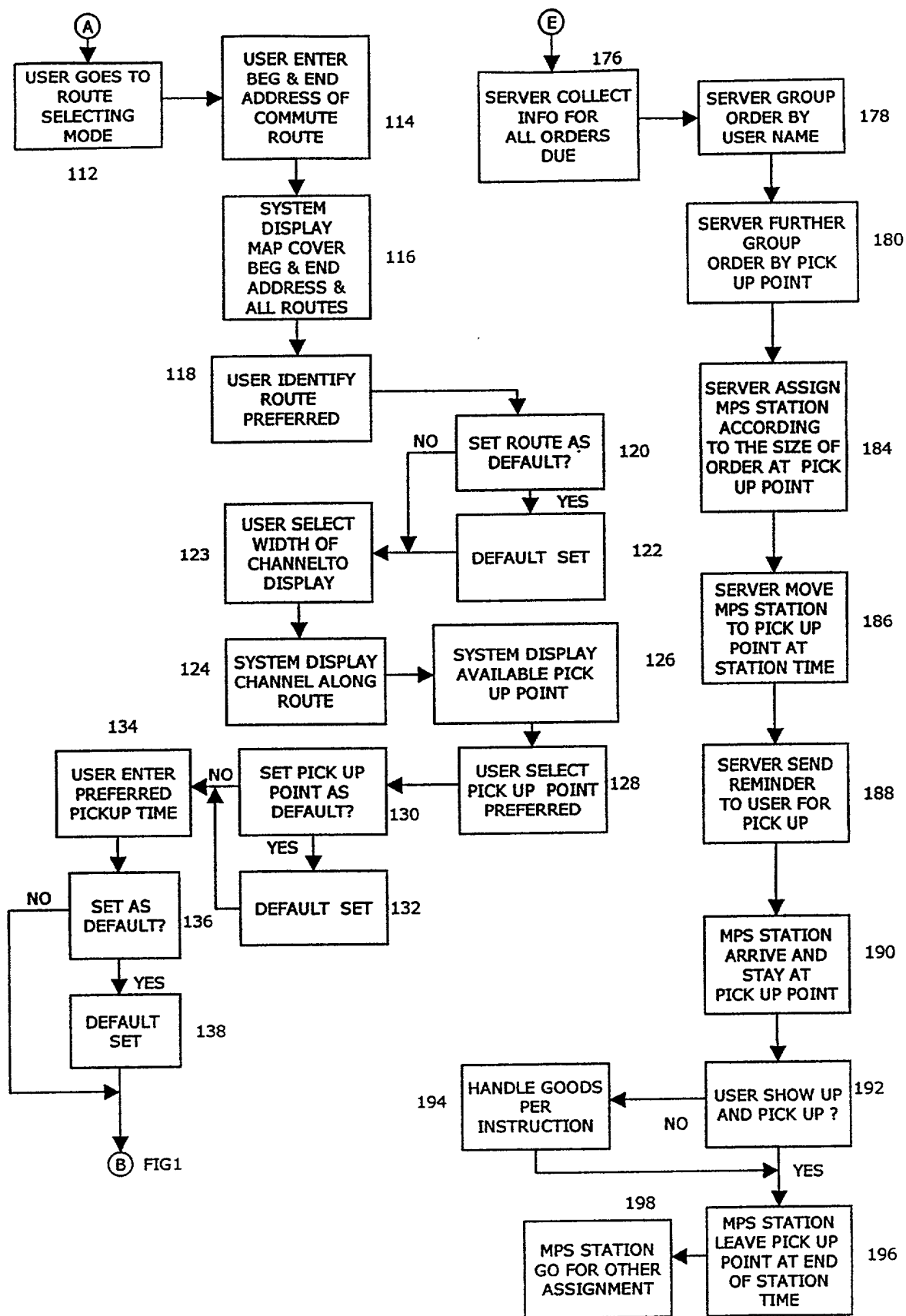


FIG 2

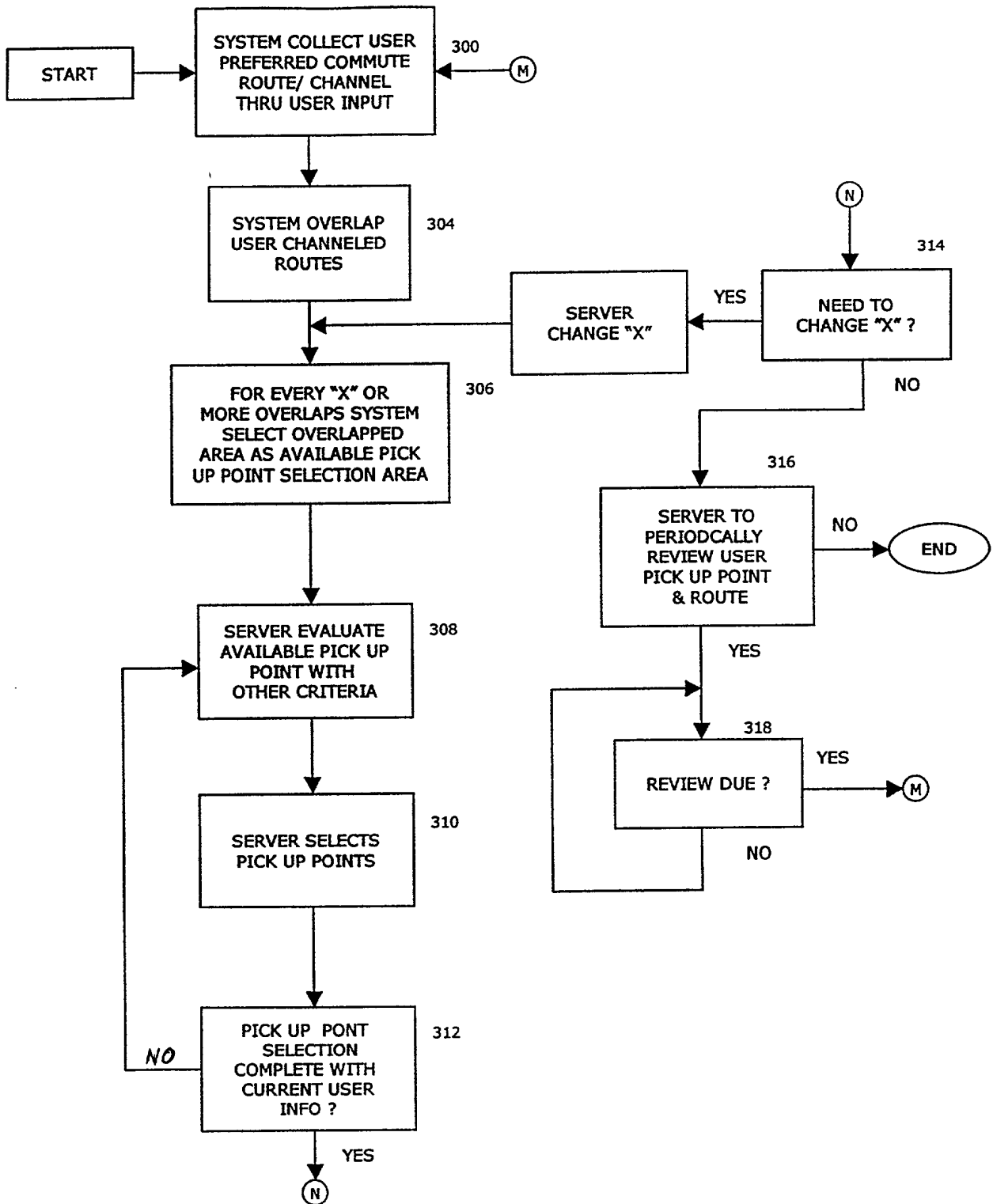


FIG 3

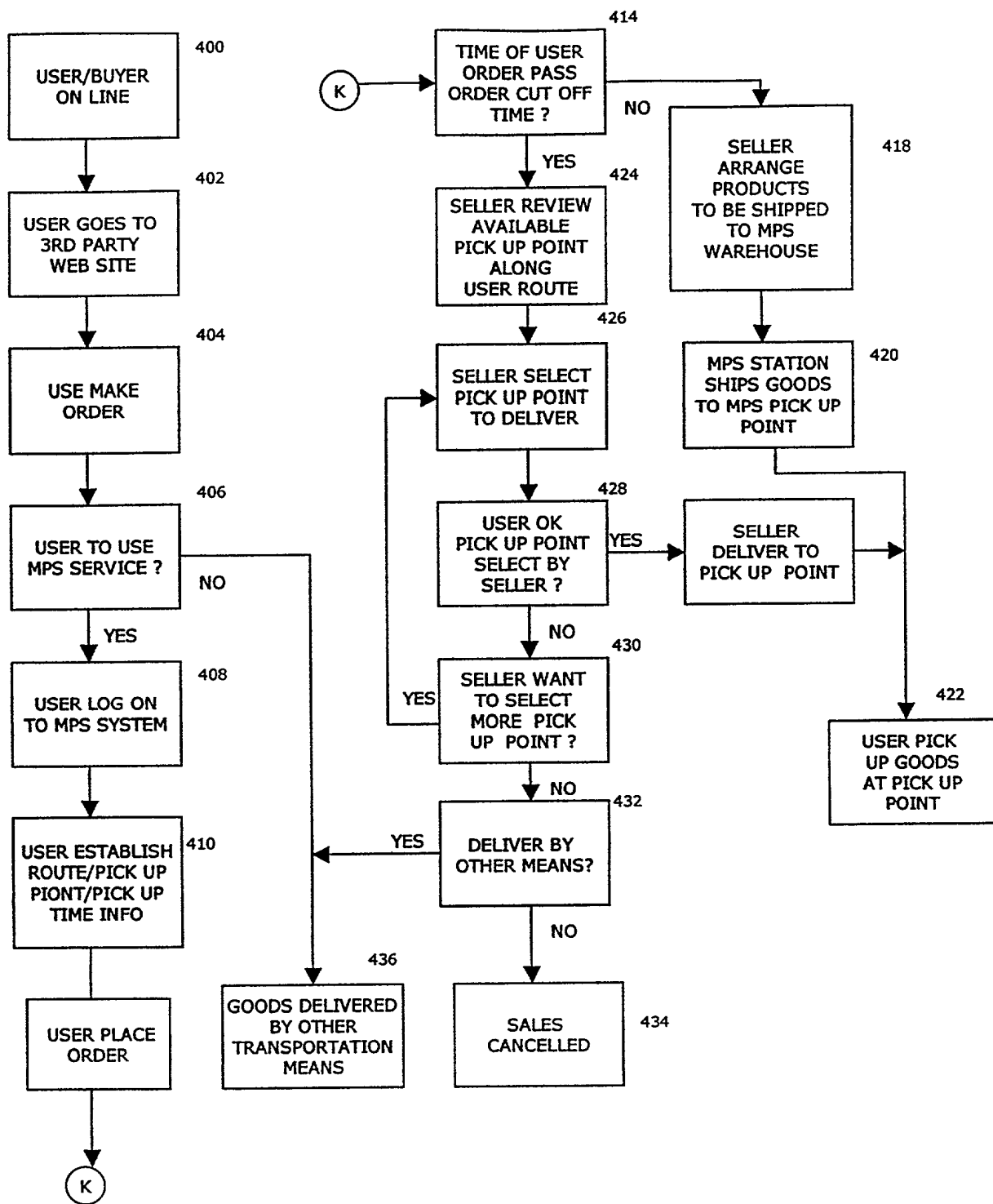


FIG 4

000021" E/33E/250

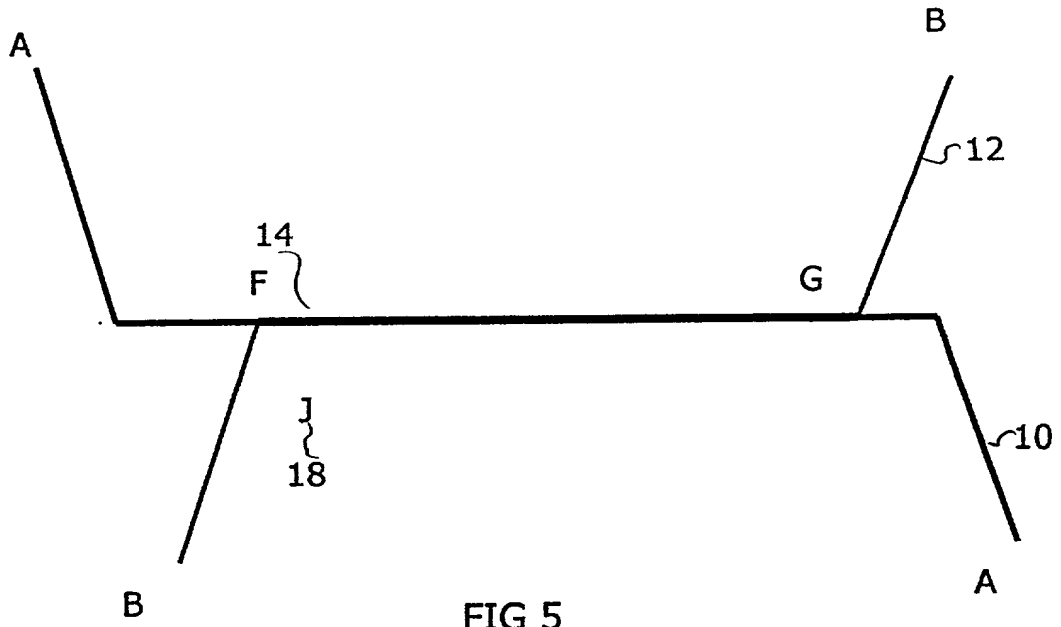


FIG 5

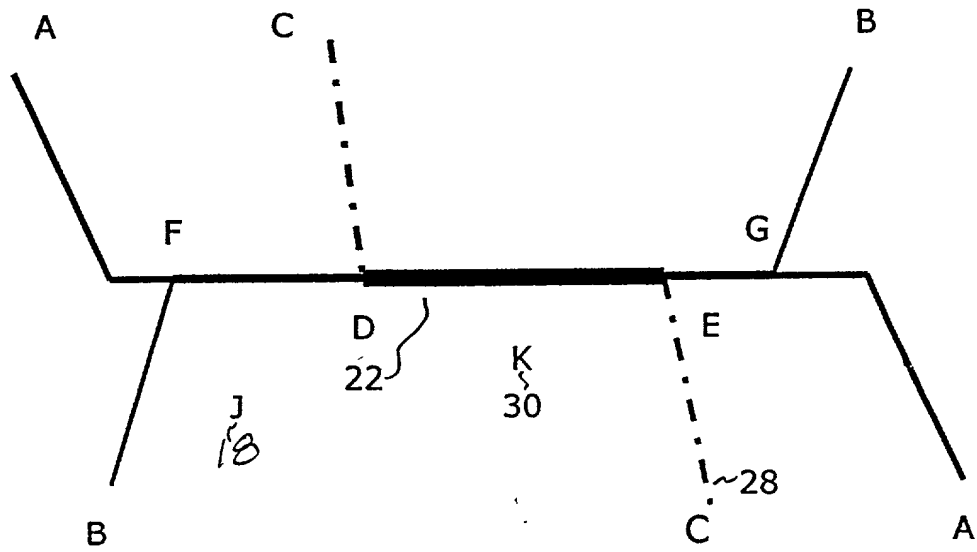


FIG 6

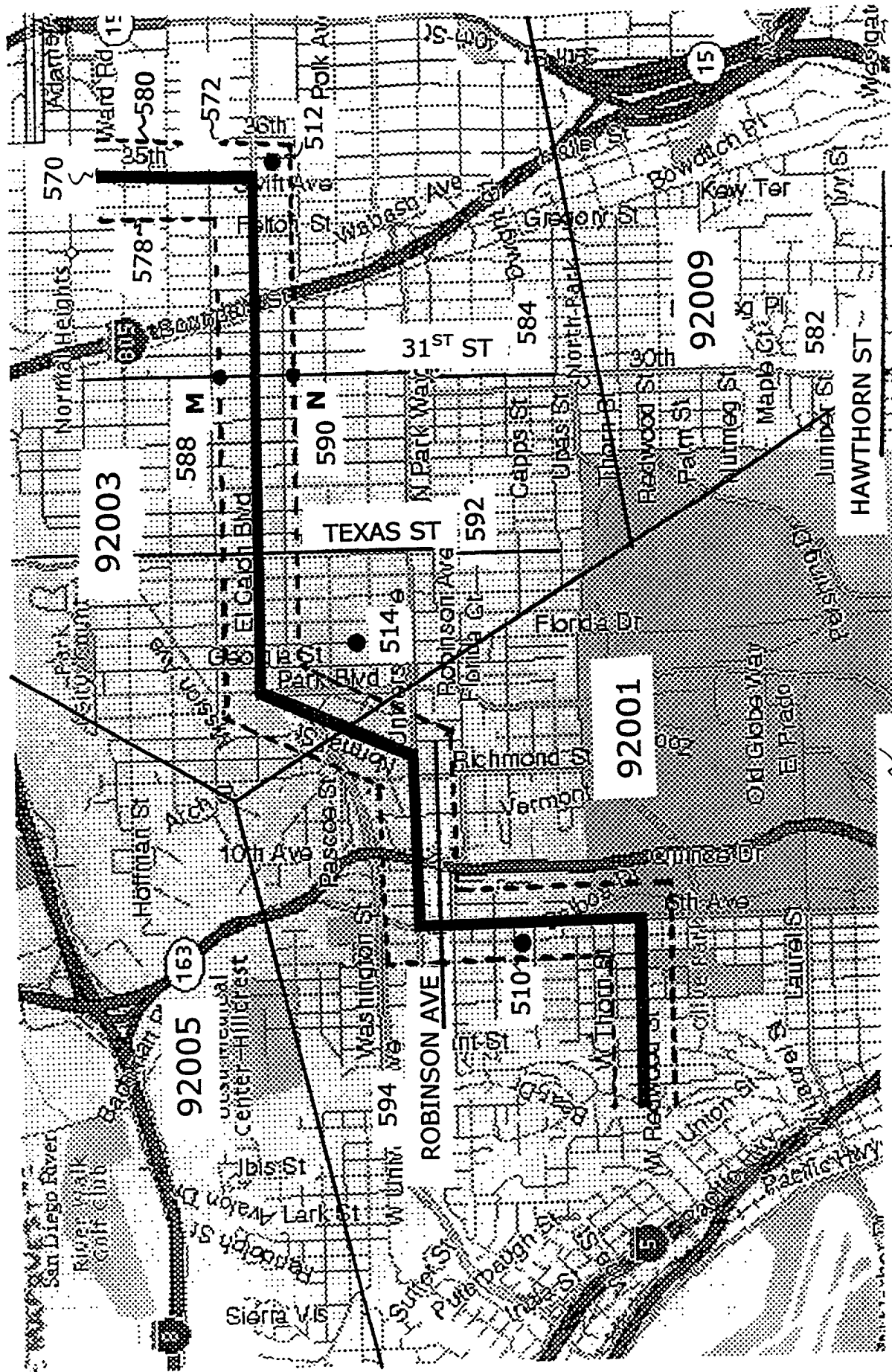


FIG 7

# OCCURRENCE FREQUENCY (%)

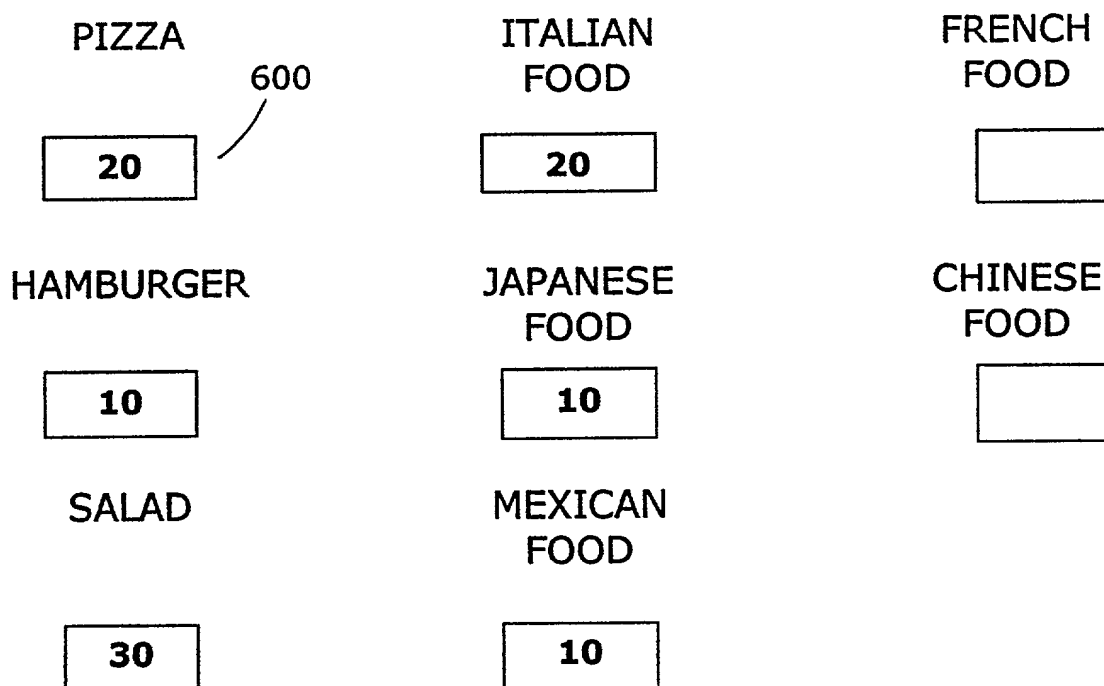


FIG 8

FIG 9



Figure 1 is a contour map. A horizontal line, labeled P at both ends, passes through the center. A shaded rectangular area is located in the middle of the map. Contour lines are drawn and labeled with values: 1000, 1010, 1020, 1030, 1040, 1050, 1060, and 1070. Points are marked as follows: U is on the 1030 contour line on the left; R is on the 1010 contour line on the left; T is on the 1030 contour line on the left; S is on the 1020 contour line on the left; Q is on the 1040 contour line on the right; W is on the 1050 contour line on the right; Y is on the 1070 contour line on the right; X is on the 1060 contour line on the right; and another S is on the 1070 contour line on the far right. The shaded area is bounded by the 1040 and 1060 contour lines and the horizontal line P-P'.

FIG 10

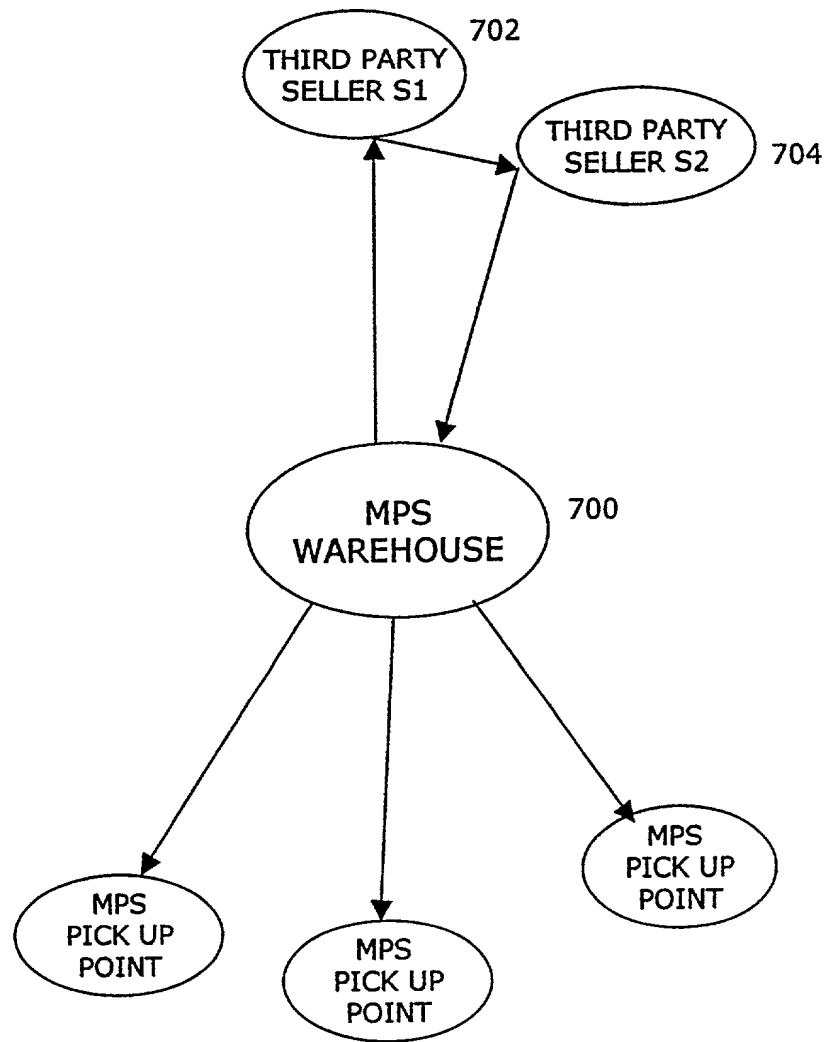


FIG 11

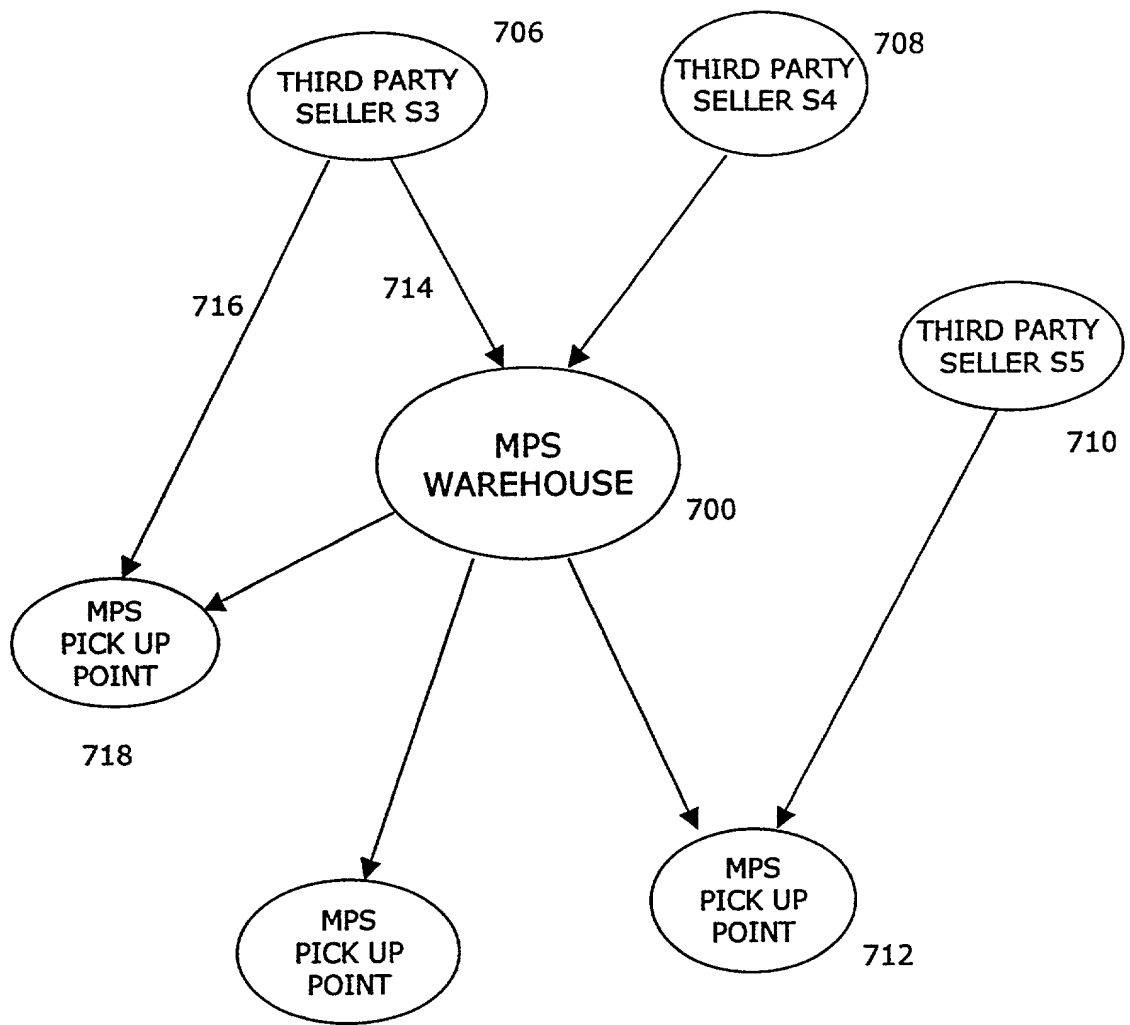


FIG 12

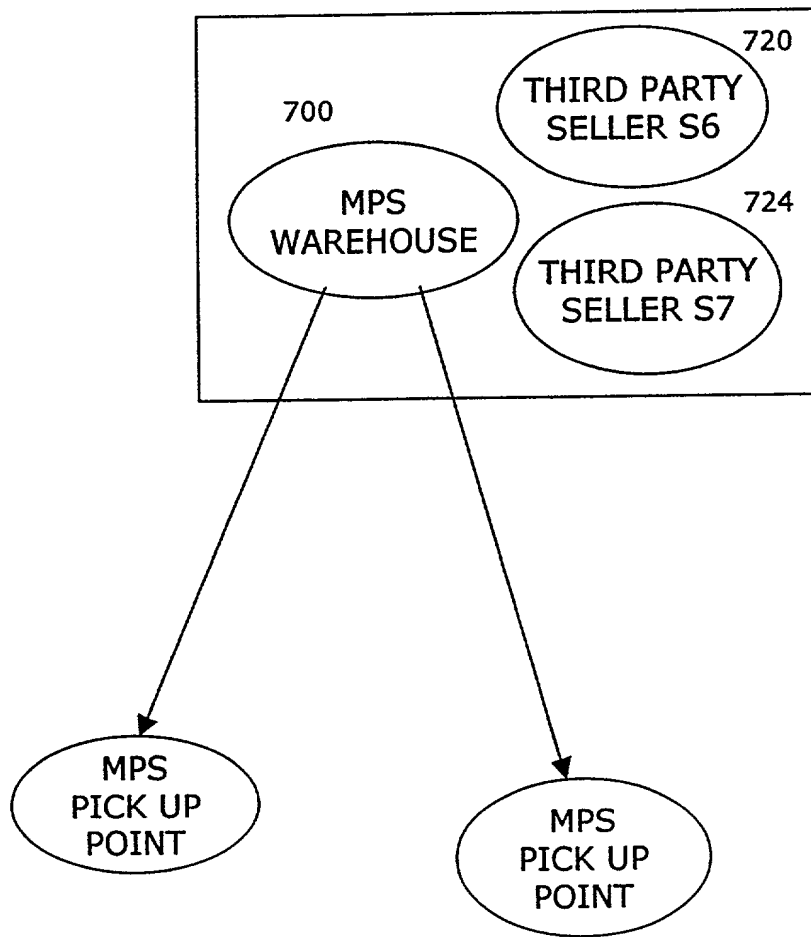


FIG 13



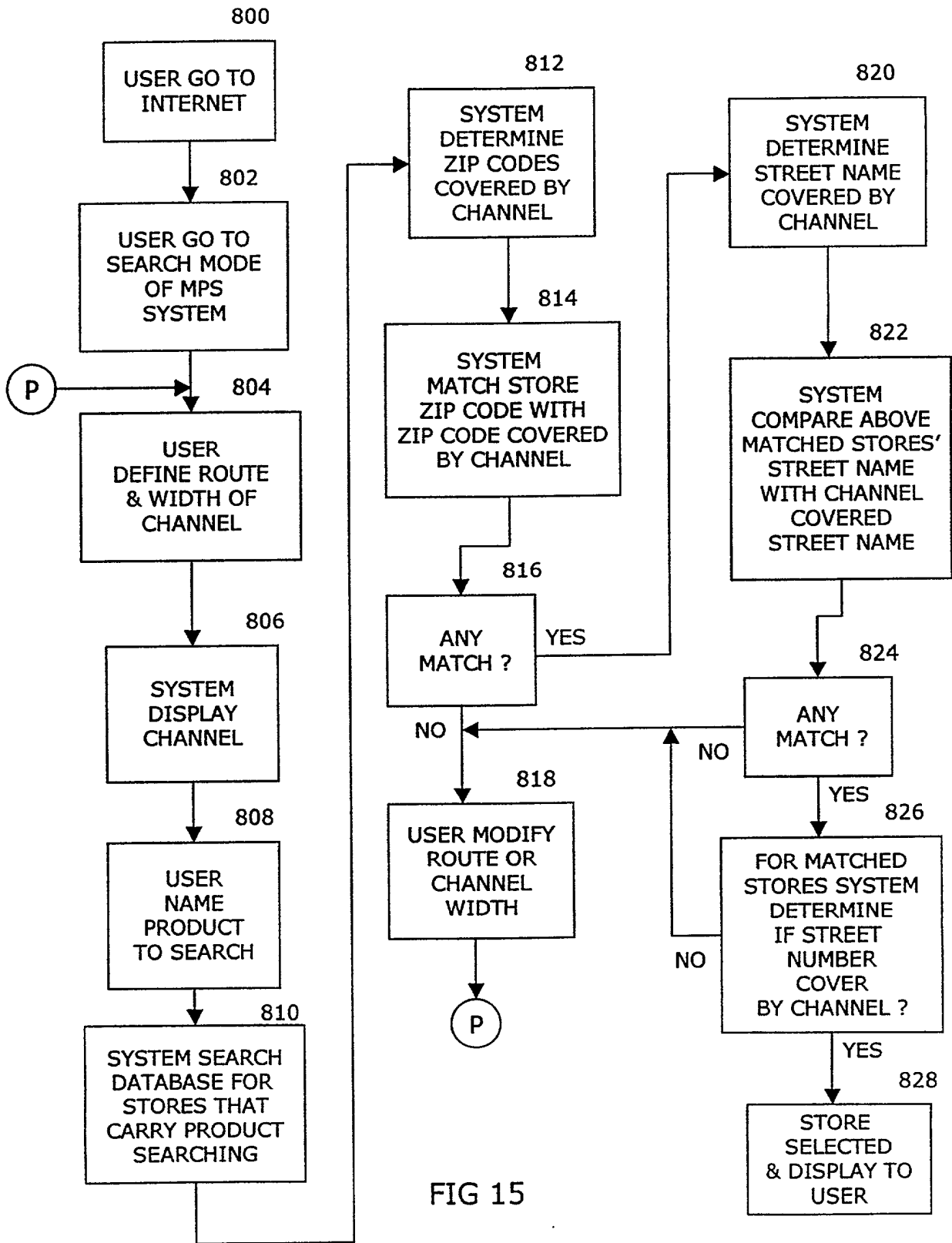


FIG 15

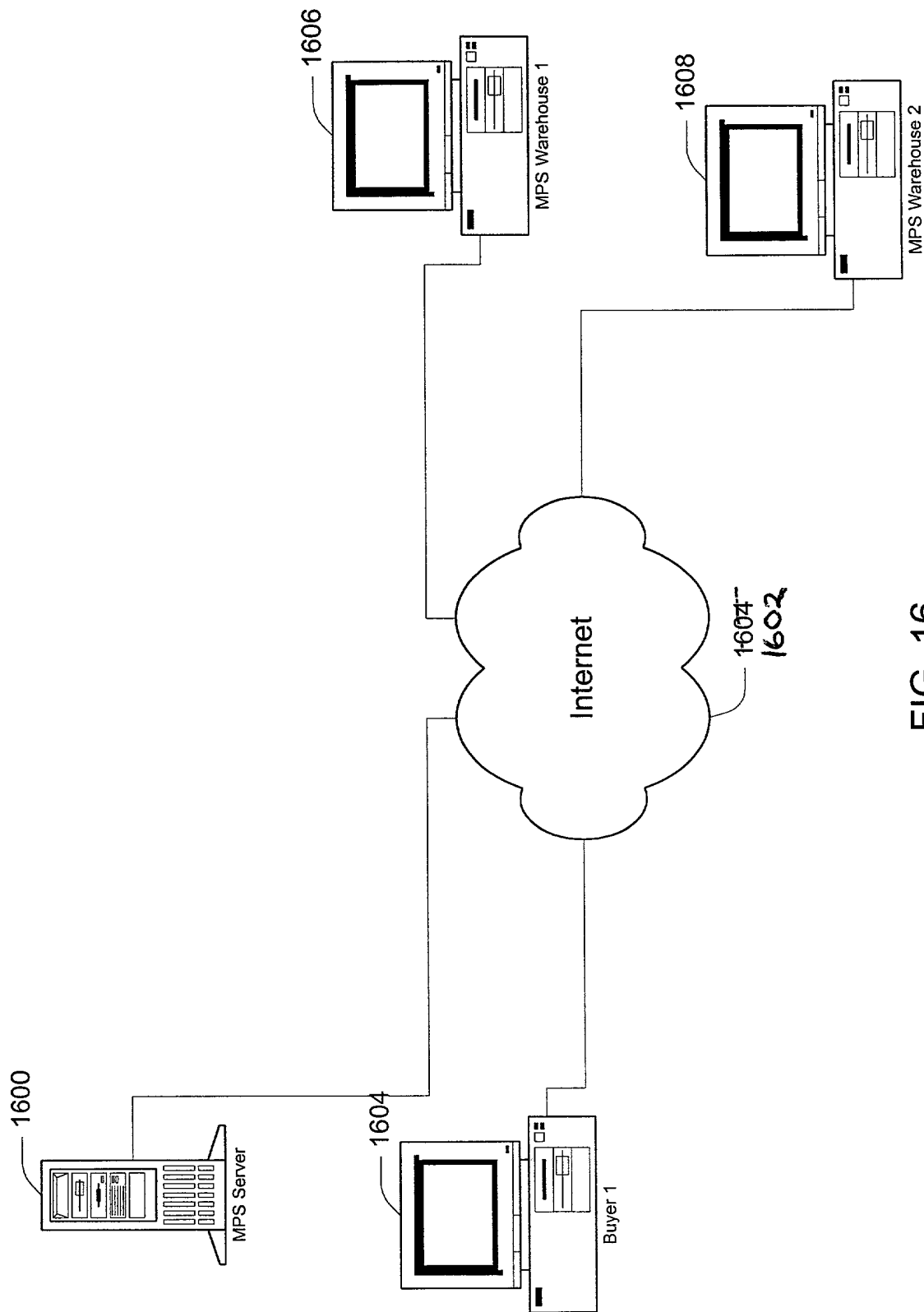


FIG. 16

